

LISTING OF THE CLAIMS

Claim 1 (Currently amended) A cobalt-iron binary alloy electroplated film having a saturation magnetization of at least about 2.30 ~~Tesla~~ Tesla, said film being substantially free of oxygen and iron oxide, anisotropic and consisting of a binary alloy $(100\%-x) \text{ Co}(x)\text{Fe}$, where x is between about 55% and about 75% by weight.

Claim 2 (Original) An alloy film in accordance with Claim 1 wherein said iron constituent is present in an amount of between about 60% and about 66%.

Claim 3 (Original) An alloy film in accordance with Claim 1 wherein said iron constituent is present in an amount of between about 62% and about 65%.

Claim 4 (Previously presented) An alloy film in accordance with Claim 1 wherein said saturation magnetization is in the range of between about 2.32 and about 2.53 Tesla.

Claim 5 (Previously presented) An alloy film in accordance with Claim 4 wherein said saturation magnetization is in the range of between about 2.38 and about 2.50 Tesla.

Claim 6 (Previously presented) An alloy film in accordance with Claim 1 wherein said film has an anisotropy, as manifested by an easy axis coercivity of no more than about 22 Oe, which drops to no more than about 12 Oe after being annealed; a hard

axis coercivity of no more than about 17 Oe, which drops to no more than about 9 Oe after being annealed; and a magnetic anisotropy of no more than about 30 Oe, which is unchanged after being annealed.

Claim 7 (Previously presented) An alloy film in accordance with Claim 6 wherein said easy axis coercivity is no more than about 17 Oe, which drops to no more than about 8 Oe after being annealed; said hard axis coercivity is no more than about 7 Oe, which drops to about 3.5 Oe after being annealed; and a magnetic anisotropy of no more than about 24 Oe, which is substantially unchanged after being annealed.

Claim 8 (Previously presented) An alloy film in accordance with Claim 7 wherein said easy axis coercivity is no more than about 15 Oe, which drops to no more than about 6 Oe after being annealed; said hard axis coercivity is no more than about 5 Oe, which drops to no more than about 2.5 Oe after being annealed; and a magnetic anisotropy of no more than about 20.5 Oe, which is substantially unchanged after being annealed.

Claim 9 (Previously presented) An alloy film in accordance with Claim 1 wherein said film has a specific resistivity in the range of between about 17 and about 65 $\mu\Omega$ -cm.

Claim 10 (Previously presented): An alloy film in accordance with Claim 1 wherein said film has an internal mechanical stress resistance in the range of between about 250 and about 800 MPa.

Claims 11-27 (Cancelled)

Claim 28 (Previously presented) An alloy film in accordance with Claim 1 wherein said film has a thickness of not more than 2 microns.

Claim 29 (Currently amended) A magnetic recording head comprising a cobalt-iron binary alloy electroplated film having a saturation magnetization of at least about 2.30 ~~Tesla~~ Tesla, said film being substantially free of oxygen and iron oxide, anisotropic and consisting of a binary alloy $(100\%-x) \text{Co}(x)\text{Fe}$, where x is between about 55% and about 75% by weight.

Claim 30 (Currently amended) A cobalt-iron binary alloy electroplated film having a saturation magnetization of at least about 2.30 ~~Tesla~~ Tesla, a thickness of not more than 2 microns and a substantially smooth, bright surface, said film being substantially free of oxygen and iron oxide, anisotropic and consisting of a binary alloy $(100\%-x) \text{Co}(x)\text{Fe}$, where x is between about 55% and about 75% by weight.